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ask RALPH: MA
 WALT: WE
 JOE: JN

17 August 1960

Sacramento, Gen

MEMORANDUM FOR THE RECORD

SUBJECT: Testing of RR Fuzees

1. During my visit to UMC on 3 and 4 August a preliminary test was conducted on the railroad fuzees. During the testing period the temperature was 93°F and the wind was 12 MPH.

2. The results of this test is listed below:

| <u>Manufacturer</u> | <u>Color</u> | <u>Burning Time</u> (minutes) |
|-----------------------------|--------------|----------------------------------|
| Standard Railway Fuze Corp. | Red | 32 |
| Olin Mathieson | Red | 39 |
| Bristol | Red | 32 |
| Bristol | Yellow | 16 |
| International (Kilgore) | Red | 35 |
| International (Kilgore) | Yellow | (Failed to ignite) |

3. With the exception of the Bristol Yellow most of these flares candled badly. The Bristol Yellow burned with a very strong flame; however, toward the end it burned at both top and bottom. After the International Yellow failed to ignite, it was cut open and was found to be very damp inside. All of these fuzees were set in a completely vertical position.

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